

# STATE REVOLVING FUND LOAN PROGRAMS



Drinking Water State  
Revolving Fund  
**(DWSRF)**



**(CWSRF)**

# About the State Revolving Fund (SRF) Loan Programs

- \* Funded by federal and state governments
- \* Capitalized by EPA grants with a 20% state match
- \* Low interest loans to local governments, cities, counties, utility districts, water/wastewater energy authorities to finance water and wastewater projects



# About the SRF Loan Programs cont.

- \* Loans for planning, design, and construction or planning only or planning and design only or construction only
- \* Reimbursement program
- \* Loan repayments are returned to the program and are used to fund future SRF loans.
- \* Partnerships with Other Funding Sources—Other Federal and State Agencies, CDBG, RUS, ARC, ECD, STAG, etc.

# Terms of SRF Loans

- \* 5 – 20 year terms (DWSRF loans)
- \* 5 – 30 year terms (CWSRF loans)
- \* Interest Rates
  - From 0% to market rate  
(The lower the Community on the economic index scale, the lower the interest rate.)
  - Fixed for the life of the loan
- \* Repay only the actual amount drawn down
- \* No early repayment penalty

# SRF Interest Rates

As a Percentage of Market Rate—2.85% as of August 1, 2016

ATPI	Int. Rate	
10%	5 YR	0.06%
	10 YR	0.11%
	15 YR	0.14%
	20 YR	0.16%
	25 YR	0.18%
	30 YR	0.19%
20%	5 YR	0.12%
	10 YR	0.21%
	15 YR	0.28%
	20 YR	0.32%
	25 YR	0.36%
	30 YR	0.38%
30%	5 YR	0.18%
	10 YR	0.32%
	15 YR	0.41%
	20 YR	0.48%
	25 YR	0.54%
	30 YR	0.57%

ATPI	Int. Rate	
40%	5 YR	0.24%
	10 YR	0.43%
	15 YR	0.55%
	20 YR	0.64%
	25 YR	0.72%
	30 YR	0.76%
50%	5 YR	0.30%
	10 YR	0.54%
	15 YR	0.69%
	20 YR	0.81%
	25 YR	0.91%
	30 YR	0.95%
60%	5 YR	0.35%
	10 YR	0.64%
	15 YR	0.83%
	20 YR	0.97%
	25 YR	1.09%
	30 YR	1.14%

70%	5 YR	0.41%
	10 YR	0.75%
	15 YR	0.97%
	20 YR	1.13%
	25 YR	1.27%
	30 YR	1.33%
80%	5 YR	0.47%
	10 YR	0.86%
	15 YR	1.10%
	20 YR	1.29%
	25 YR	1.45%
	30 YR	1.52%
90%	5 YR	0.53%
	10 YR	0.96%
	15 YR	1.24%
	20 YR	1.45%
	25 YR	1.63%
	30 YR	1.71%
100%	5 YR	0.59%
	10 YR	1.07%
	15 YR	1.38%
	20 YR	1.61%
	25 YR	1.81%
	30 YR	1.90%

# Ability To Pay Index (ATPI)

## Saving money with SRF Loans

City / County	ATPI	Interest Rate
<b>CLIFTON</b>	<b>0%</b>	<b>0% - Fixed for 20 years</b>
<b>OAKDALE</b>	<b>10%</b>	<b>0.16% - Fixed for 20 years</b>
<b>GREENFIELD</b>	<b>20%</b>	<b>0.32% - Fixed for 20 years</b>
<b>McKENZIE</b>	<b>30%</b>	<b>0.48% - Fixed for 20 years</b>
<b>HOHENWALD</b>	<b>40%</b>	<b>0.64% - Fixed for 20 years</b>
<b>MEMPHIS</b>	<b>50%</b>	<b>0.81% - Fixed for 20 years</b>
<b>MANCHESTER</b>	<b>60%</b>	<b>0.97% - Fixed for 20 years</b>
<b>FRANKLIN</b>	<b>70%</b>	<b>1.13% - Fixed for 20 years</b>
<b>COLLIERVILLE</b>	<b>80%</b>	<b>1.29% - Fixed for 20 years</b>
<b>ALCOA</b>	<b>90%</b>	<b>1.45% - Fixed for 20 years</b>
<b>GATLINBURG</b>	<b>100% <sup>6</sup></b>	<b>1.61% - Fixed for 20 years</b>

## SRF INTEREST RATES cont.

For FY 2016, there will be an additional **0.25% rate reduction** from the rates given in the interest rate table at the time of the loan application.

# Ability To Pay Index (ATPI)

## Saving money with SRF Loans

City / County	ATPI	Interest Rate	w/25% Rate Reduction
CLIFTON	0%	0% - Fixed for 20 years	0% - Fixed for 20 years
OAKDALE	10%	0.16% - Fixed for 20 years	0% - Fixed for 20 years
GREENFIELD	20%	0.32% - Fixed for 20 years	0.07% - Fixed for 20 years
McKENZIE	30%	0.48% - Fixed for 20 years	0.23% - Fixed for 20 years
HOHENWALD	40%	0.64% - Fixed for 20 years	0.39% - Fixed for 20 years
MEMPHIS	50%	0.81% - Fixed for 20 years	0.56% - Fixed for 20 years
MANCHESTER	60%	0.97% - Fixed for 20 years	0.72% - Fixed for 20 years
FRANKLIN	70%	1.13% - Fixed for 20 years	0.88% - Fixed for 20 years
COLLIERVILLE	80%	1.29% - Fixed for 20 years	1.04% - Fixed for 20 years
ALCOA	90%	1.45% - Fixed for 20 years	1.20% - Fixed for 20 years
GATLINBURG	100%	1.61% - Fixed for 20 years	1.36% - Fixed for 20 years



# Drinking Water State Revolving Fund (DWSRF) Loan Program

- \* Tennessee's DWSRF program has awarded an average of **\$20 M** annually over the last 5 years to bring water systems into compliance with the Safe Drinking Water Act and new regulations.
- \* From 1996 to date, the DWSRF Program has funded low-interest loans totaling over **\$253 M**.



# Eligible DWSRF Projects

- \* **Water Treatment Plants (Upgrades, Expansion, or New)**
- \* **Transmission Lines and Distribution System (Rehabilitation, Replacement, Extension)**
- \* **Source Water/Well Development**
- \* **Storage Tanks**
- \* **New Water Systems**
- \* **Pressure Problems**
- \* **Capacity**
- \* **Water Loss**
- \* **Water Meter Replacements**





# DWSRF Construction Project Pictures

Watauga River Regional Water  
Authority new 2MGD WTP



Elizabethton Waterline Extension



# Some DWSRF Loan Recipients

- \* 25 UD
- \* Athens
- \* Big Creek UD
- \* Bloomingdale UD
- \* Clarksville
- \* Cleveland
- \* Collinwood
- \* Crossville
- \* Cordell Hull UD
- \* Cumberland UD
- \* Dekalb UD
- \* Dickson
- \* Dyersburg
- \* Elizabethton
- \* Giles County
- \* Halls
- \* Hallsdale-Powell UD
- \* Harriman
- \* Jellico
- \* Jefferson City
- \* Kingsport
- \* LaFollette
- \* LaGuardo UD
- \* Lebanon
- \* Lenoir City UB
- \* Livingston
- \* Loudon
- \* Lynchburg/ Moore County
- \* Maynardville
- \* McMinnville
- \* Morristown
- \* Moshier
- \* Mount Pleasant
- \* Newport
- \* Popular Grove UD
- \* Reelfoot UD
- \* Ridgely
- \* Rogersville
- \* Troy
- \* Union Fork/Bakewell UD
- \* Watauga River Regional Water Authority
- \* Watts Bar UD
- \* West Overton UD
- \* White House



# Tennessee's Largest Water Quality Financing Source

## Clean Water State Revolving Fund (CWSRF) Loan Program

- \* Tennessee's CWSRF program has awarded an average of **\$87 M** annually in the last 5 years to construct wastewater facilities that are required to protect water quality and/or public health.
- \* From 1987 to date, Tennessee's CWSRF has funded low-interest loans totaling approximately **\$1.6B**.



# Eligible CWSRF Projects

## Section 212 Projects

- \* Wastewater Treatment Plants
- \* Infiltration/inflow correction
- \* Rehabilitation and/or replacement of sewer lines, manholes, etc.
- \* New collector and interceptor sewers
- \* Combined sewer overflow correction
- \* Storm water and sewer construction
- \* Conveyance of recycled water from wastewater facility to end user
- \* Decentralized wastewater treatment systems

## • Section 319 Projects

- Nonpoint source pollution control

## • GREEN Projects

- GREEN INFRASTRUCTURE-Storm water management, reduction, recapture, or treatment
- WATER CONSERVATION, EFFICIENCY, AND REUSE-Re-purified water lines (water re-use), Water Meter Replacements, Water Audits and Conservation Plans
- ENERGY INITIATIVES AND EFFICIENCY-Pump station rehab utilizing VFDs, Solar mixers at WWTPs, Energy efficient lighting, HVAC, process equipment, or electronic equipment and systems, Energy Audits
- ENVIRONMENTALLY INNOVATIVE – Composting sludge, New Decentralized Solutions

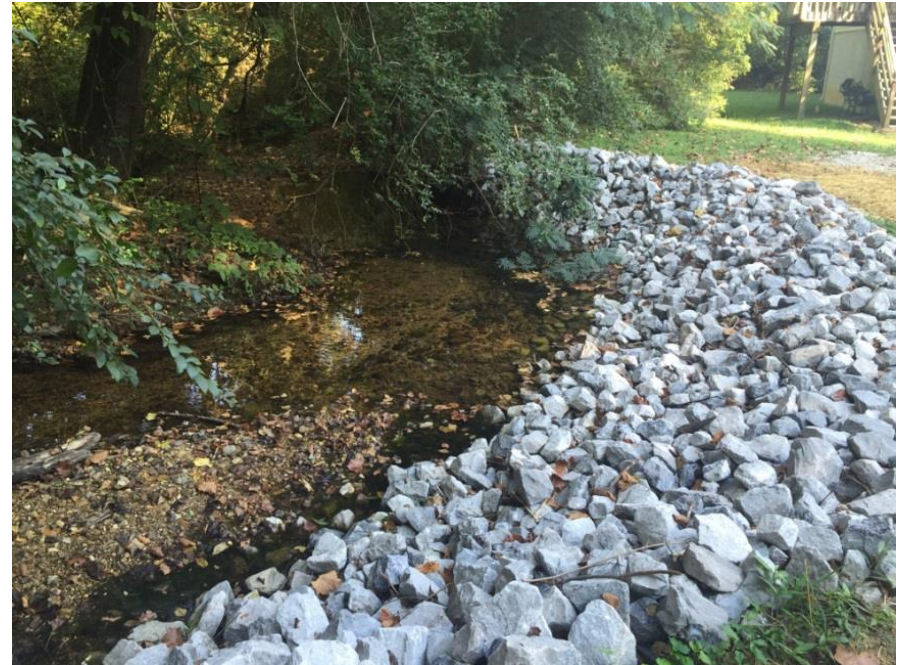


# SRF Construction Project Pictures

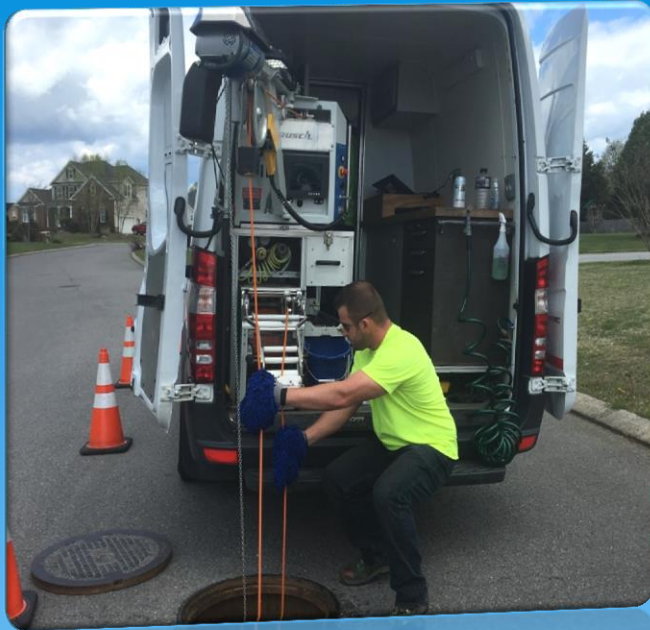
Chattanooga East Brainerd Collection  
System Rehabilitation - Before



Chattanooga East Brainerd Collection  
System Rehabilitation - After







SRF funded  
Collection System  
Rehabilitation  
projects







## SRF funded Collection System Rehabilitation projects





# SRF Construction Project Pictures

Morristown Whitt PS  
Improvements



Oak Ridge EQ Basin



# SRF Construction Project Pictures

Chattanooga Disinfection  
System Upgrade



Lenoir City WWTP Expansion



# Some CWSRF Loan Recipients

- \* Alcoa
- \* Anderson County UD
- \* Athens
- \* Atoka
- \* Bell Buckle
- \* Blaine
- \* Bolivar
- \* Camden
- \* Carthage
- \* Centerville
- \* Chattanooga
- \* Clarksburg
- \* Cleveland
- \* Collegedale
- \* Cookeville
- \* Cowan
- \* Crossville
- \* Elizabethton
- \* Erwin
- \* Etowah
- \* Franklin
- \* Fayetteville
- \* Gordonsville
- \* Hallsdale-Powell UD
- \* Hamilton Co. WWTa
- \* Harriman
- \* Harrogate
- \* Hohenwald
- \* Jackson
- \* Jellico
- \* Kingsport
- \* Lawrenceburg
- \* Lebanon
- \* Lenoir City
- \* Lewisburg
- \* McKenzie
- \* McMinnville
- \* Memphis
- \* Millington
- \* Morristown
- \* Murfreesboro
- \* Nashville
- \* Newport
- \* Oak Ridge
- \* Oakland
- \* Oliver Springs
- \* Pegram
- \* Ripley
- \* Roane County
- \* Shelbyville
- \* Smyrna
- \* Spring Hill
- \* Springfield
- \* Sweetwater
- \* Tullahoma
- \* Union City
- \* White House



# SRF Contacts

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**SRFLP Contact information can be found at :**

<http://tn.gov/environment/article/wr-srf-loan-program-contacts>



# Questions?



<http://tn.gov/environment/topic/wr-srf-state-revolving-fund-program>



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